

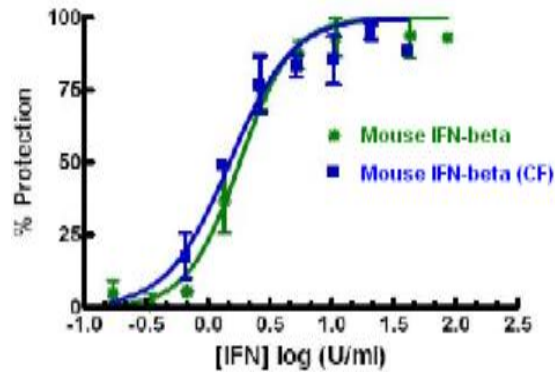
IFNB1

Recombinant Mouse Interferon beta

Catalog No.	CR2039	Quantity:	1 x 10 ⁵ units
Alternate Names:	Inteferon beta 1 fibroblast, IFN-beta, IFNB, IFB		
Description:	Recombinant mouse Interferon beta		
Concentration:	1 x 10 ⁶ units/ml		
Gene ID:	15977		
Accession No:	K00020		
Source:	<i>E. coli</i>		
Molecular Weight:	19.6 kDa		
Formulation:	Liquid in PBS, carrier free		
Purity:	> 95%		
Endotoxin Level:	< 0.1 EU/μg IFN-beta		
Purification:	Combination of ion exchange, hydrophobic interaction, and size exclusion chromatography		
Specific Activity:	Interferon was titrated with the use of the cytopathic effect inhibition assay. Units of activity were measured on mouse L929 cells with encephalomyocarditis virus (EMCV); in this assay, the EC ₅₀ for IFN-beta is ~ 2.5 U/ml. The activity was determined relative to a lab standard of mouse IFN-beta which was calibrated to the NIH Mouse IFN-beta standard.		
Storage & Stability:	Store in working aliquots at -80°C. Further dilutions should be made in buffers containing protein such as 0.1% BSA. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		



The activity of mouse IFN-beta with carrier and mouse IFN-beta, Carrier Free (CR2039) was compared in the L929/EMCV CPE assay. The EC_{50} for Mouse IFN-beta in this experiment was 1.8 U/ml while the EC_{50} for Mouse IFN-beta (CF) was 1.5 U/ml when calibrated to the International standard. Similar results were obtained for several batches of Mouse IFN-beta. Results are representative and may vary depending upon experimental conditions.



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